

WHAT IS CLAIMED IS:

1. A stepper comprising a main frame including a base and two stands respectively upwardly extending from two opposite sides of a front portion of the base, two swing arms respectively pivotally
5 mounted to a rear portion of the base, two restitution structures respectively pivotally to a bottom of a corresponding one of the two swing arms for providing a restitution force to the corresponding swing arm, each swing arm having a pivot structure mounted in a rear end of each of the two swing arms and an endless strap sleeved thereon, a
10 drive shaft extending through the pivot structure of each of the two swing arms for supporting the two swing arms and driving the endless strap of each of the two swing arm, multiple supports upwardly extending from the rear portion of the base for supporting the drive shaft, a motor mounted on the base for driving the drive shaft, a
15 restitution structure pivotally mounted to a bottom of each of the two swing arms, the restitution structure including an air spring and rack, the air spring having a first end pivotally connected to the base and a second end pivotally connected to the bottom of a corresponding one of the two swing arms, the rack having a first end slidably mounted to the
20 base and a second end pivotally connected to the bottom of the corresponding swing arm, the first end of each of the two restitution structures having two opposite sides respectively slidably received in a rectangular casing that is laterally attached to the base.

2. The stepper as claimed in claim 1, wherein the rectangular casing comprises two opposite ends each having a cushion pad mounted thereon for absorbing the vibration from the stepper during operating.

5 3. The stepper as claimed in claim 1, wherein the motor is mounted under the two swing arms for reducing the total length of the stepper.

 4. The stepper as claimed in claim 1, wherein the pivot structure comprises two lining respectively inserted into two opposite sides of a
10 rear end of each of the two swing arms and multiple sleeve laterally mounted to the multiple supports and inserted into a corresponding one of the linings.